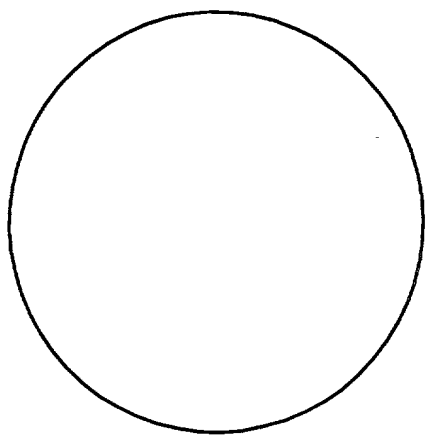


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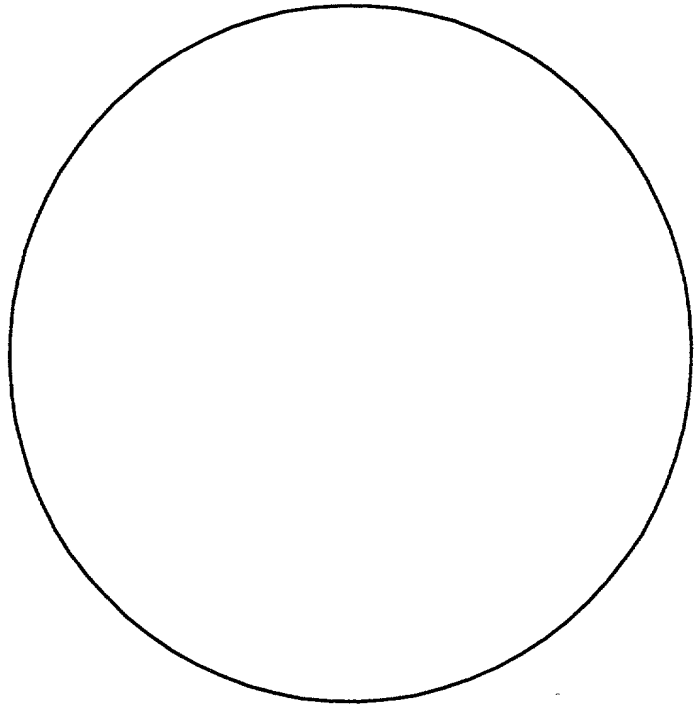
CONVENTIONAL CLARIFICATION SETTLING AREA

AVERAGE/USUAL
INFLUENT CONDITIONS



ex/10MGD

PEAK INFLUENT CONDITIONS



ex/30MGD

Fig. 1

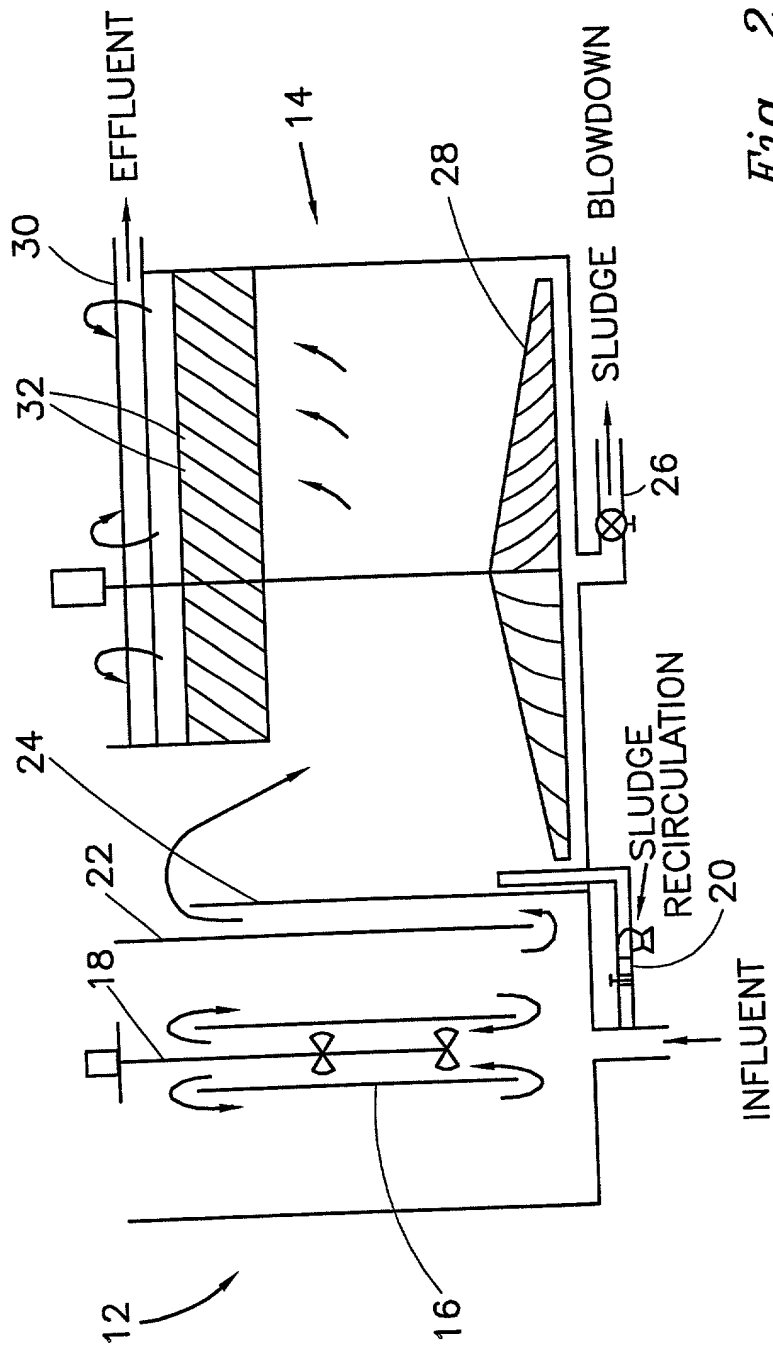


Fig. 2
PRIOR ART

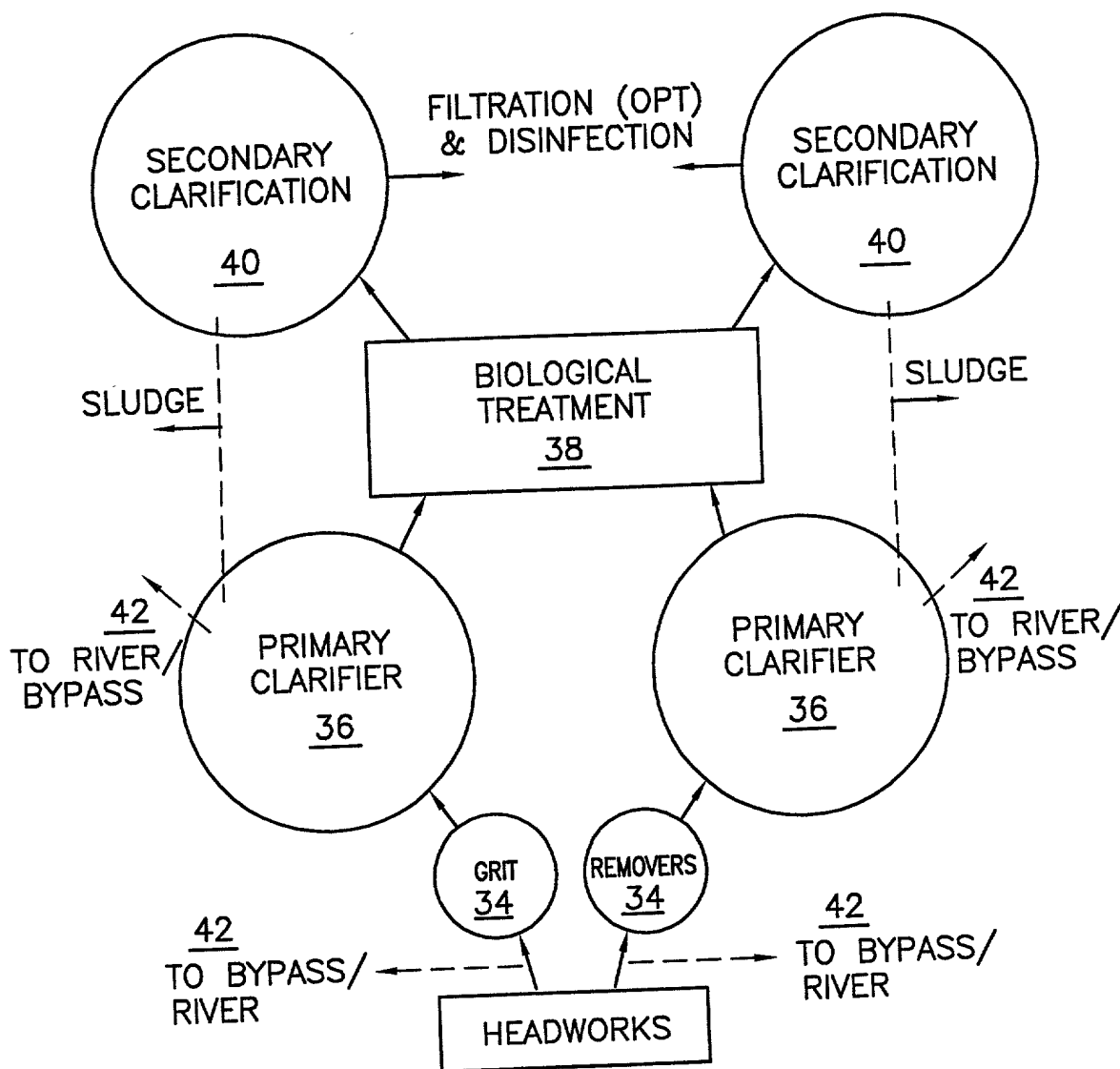


Fig. 3

```
graph BT; A[HEADWORKS & GRIT REMOVAL] --> B((PRIMARY SETTLING)); A -.-> C[OVERFLOW BYPASS]; B --> D[BIOLOGICAL TREATMENT]; D --> E((SECONDARY SETTLING)); E --> F[FILTRATION/DISINFECTION]; C --> G[\"HIGH RATE PHYSICAL CHEMICAL CLARIFICATION<br/>ex/<br/>DENS+DEG<br/>CLARIFIER\"]; G --> F;
```

The diagram illustrates a wastewater treatment process flow. It begins with a rectangular box at the bottom left labeled "HEADWORKS & GRIT REMOVAL". From this box, a solid arrow points upwards to a circular unit labeled "PRIMARY SETTLING". A dashed arrow also originates from the "HEADWORKS & GRIT REMOVAL" box, pointing to the right and then upwards to a second rectangular box labeled "HIGH RATE PHYSICAL CHEMICAL CLARIFICATION ex/ DENS+DEG CLARIFIER". From the "PRIMARY SETTLING" unit, a solid arrow points upwards to a larger rectangular box labeled "BIOLOGICAL TREATMENT". From the "BIOLOGICAL TREATMENT" box, a solid arrow points upwards to a circular unit labeled "SECONDARY SETTLING". From the "SECONDARY SETTLING" unit, a solid arrow points upwards to a final rectangular box at the top labeled "FILTRATION/DISINFECTION". A dashed arrow also originates from the "HIGH RATE PHYSICAL CHEMICAL CLARIFICATION" box, pointing upwards to the "FILTRATION/DISINFECTION" box. A curved arrow at the bottom right indicates the "OVERFLOW BYPASS" path from the "HEADWORKS & GRIT REMOVAL" box to the "HIGH RATE PHYSICAL CHEMICAL CLARIFICATION" box.

Fig. 4

PRIOR ART

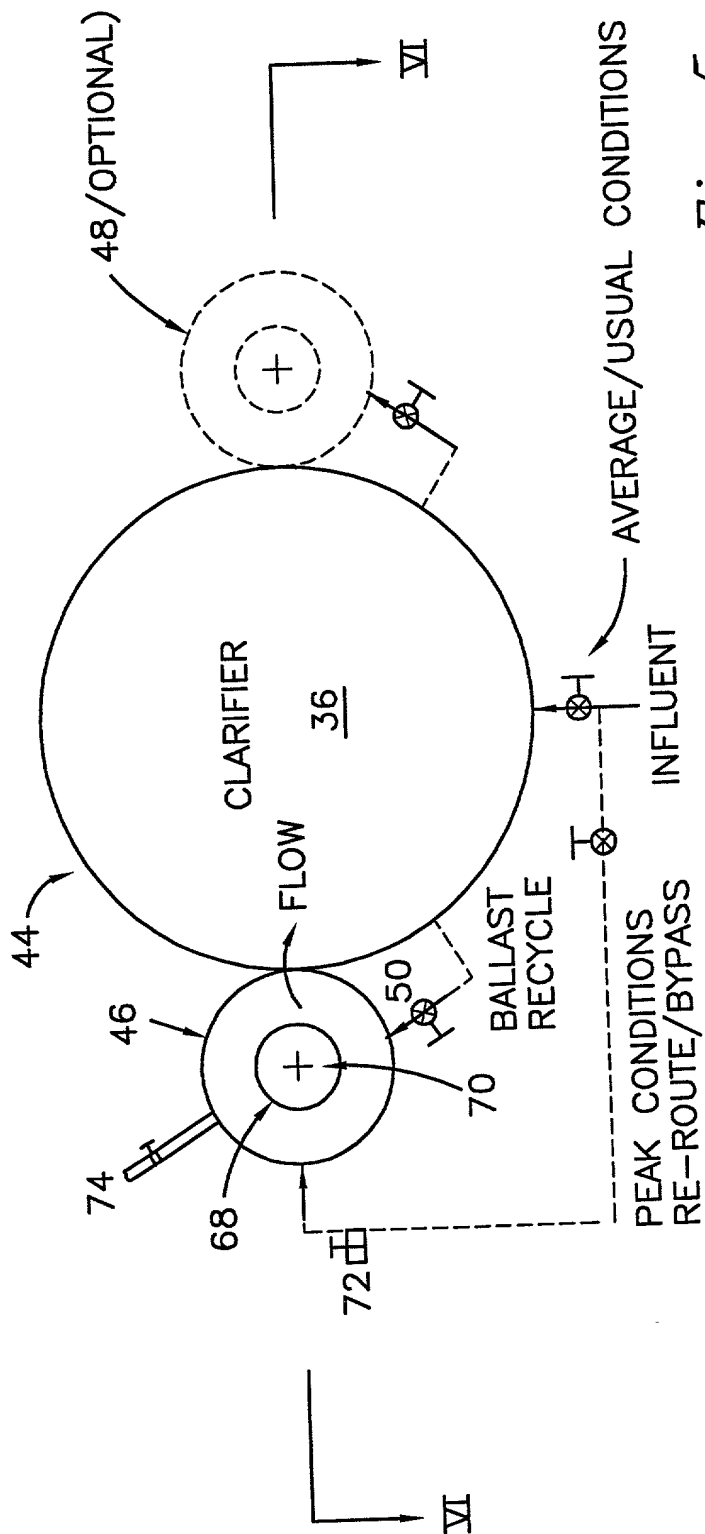


Fig. 5

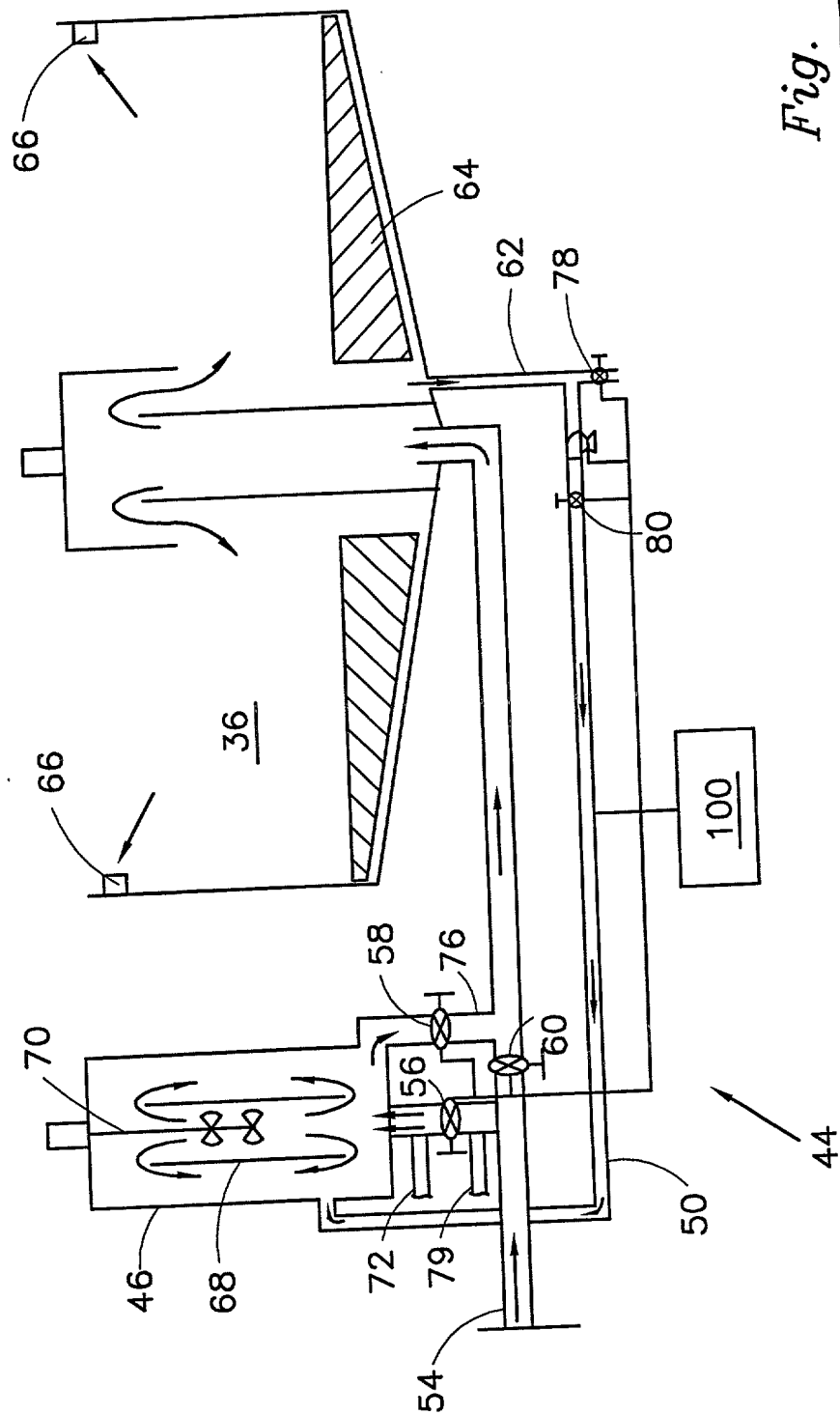


Fig. 6

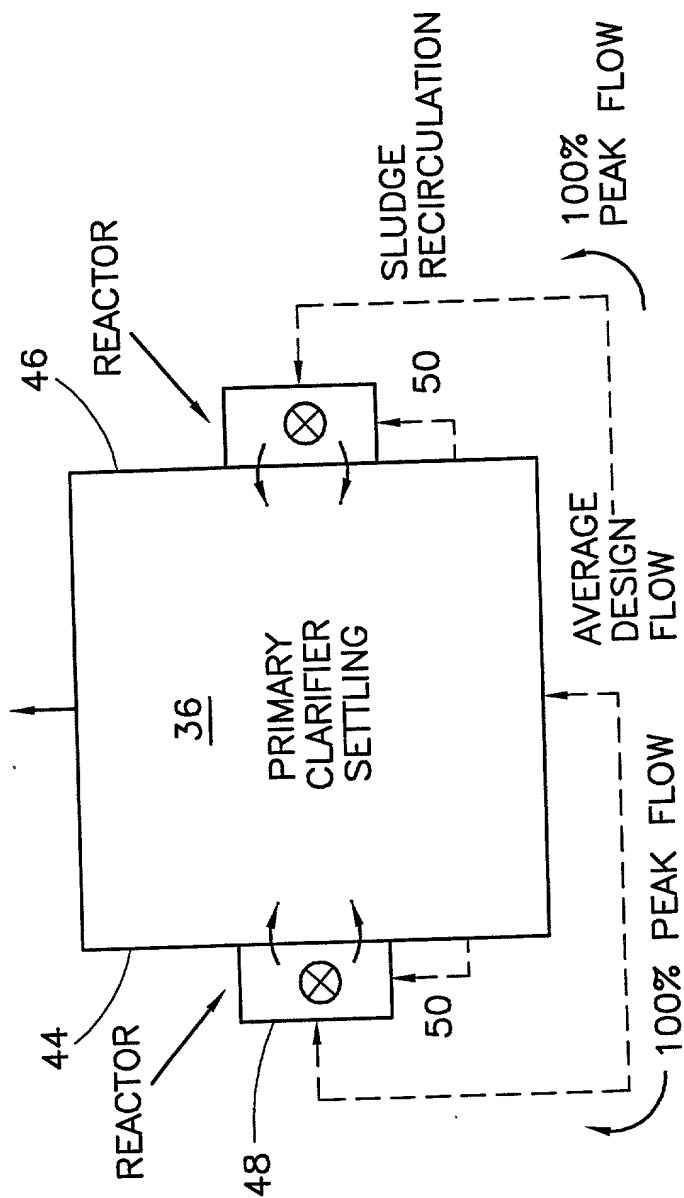
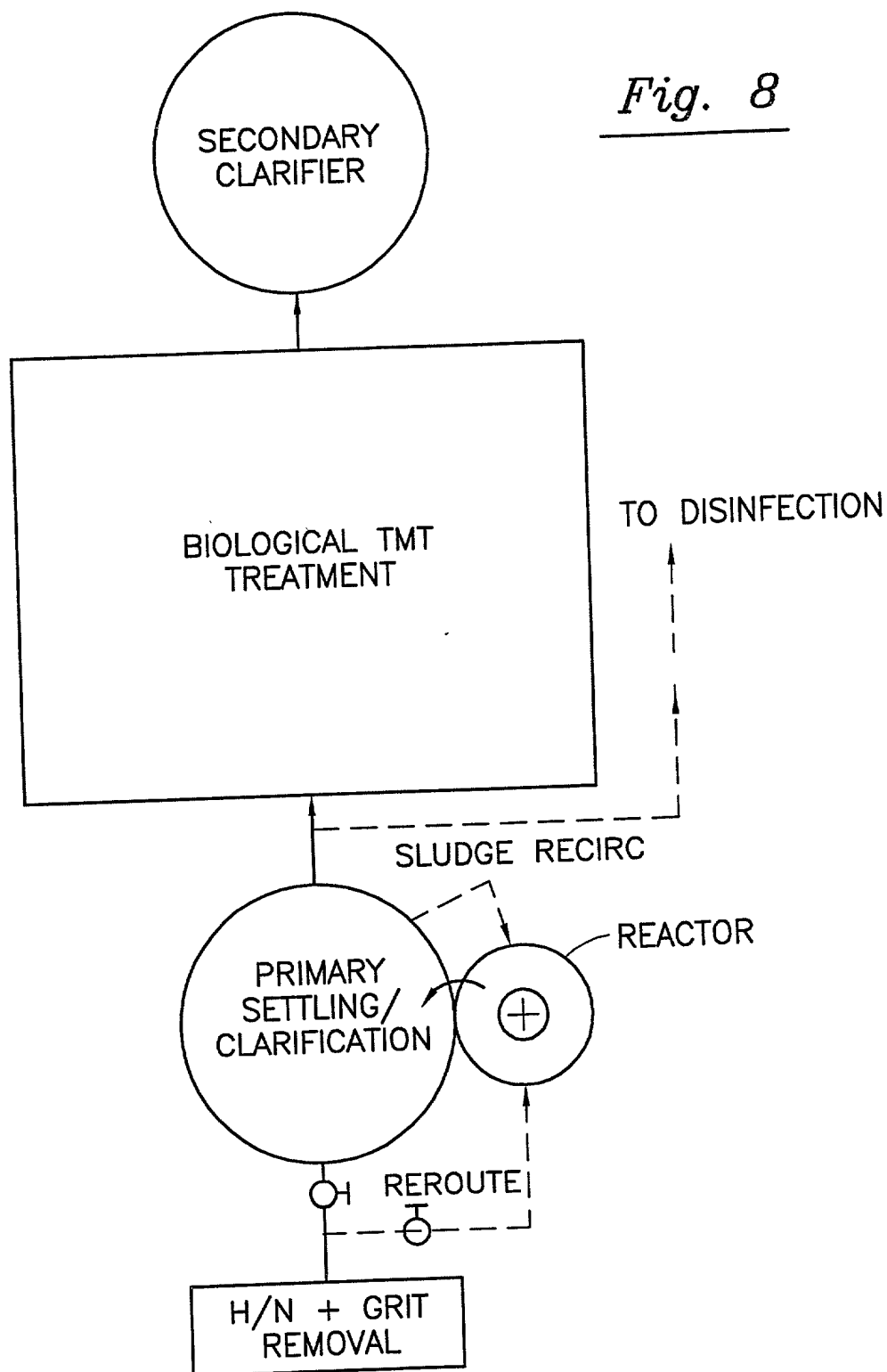


Fig. 7



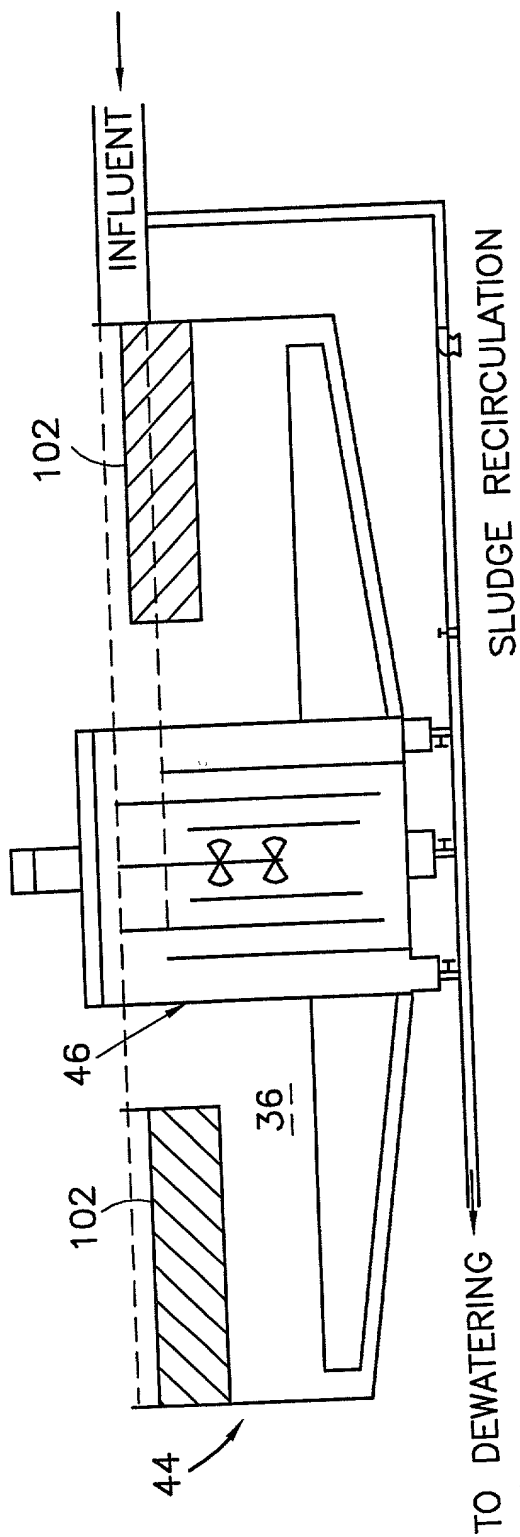


Fig. 9

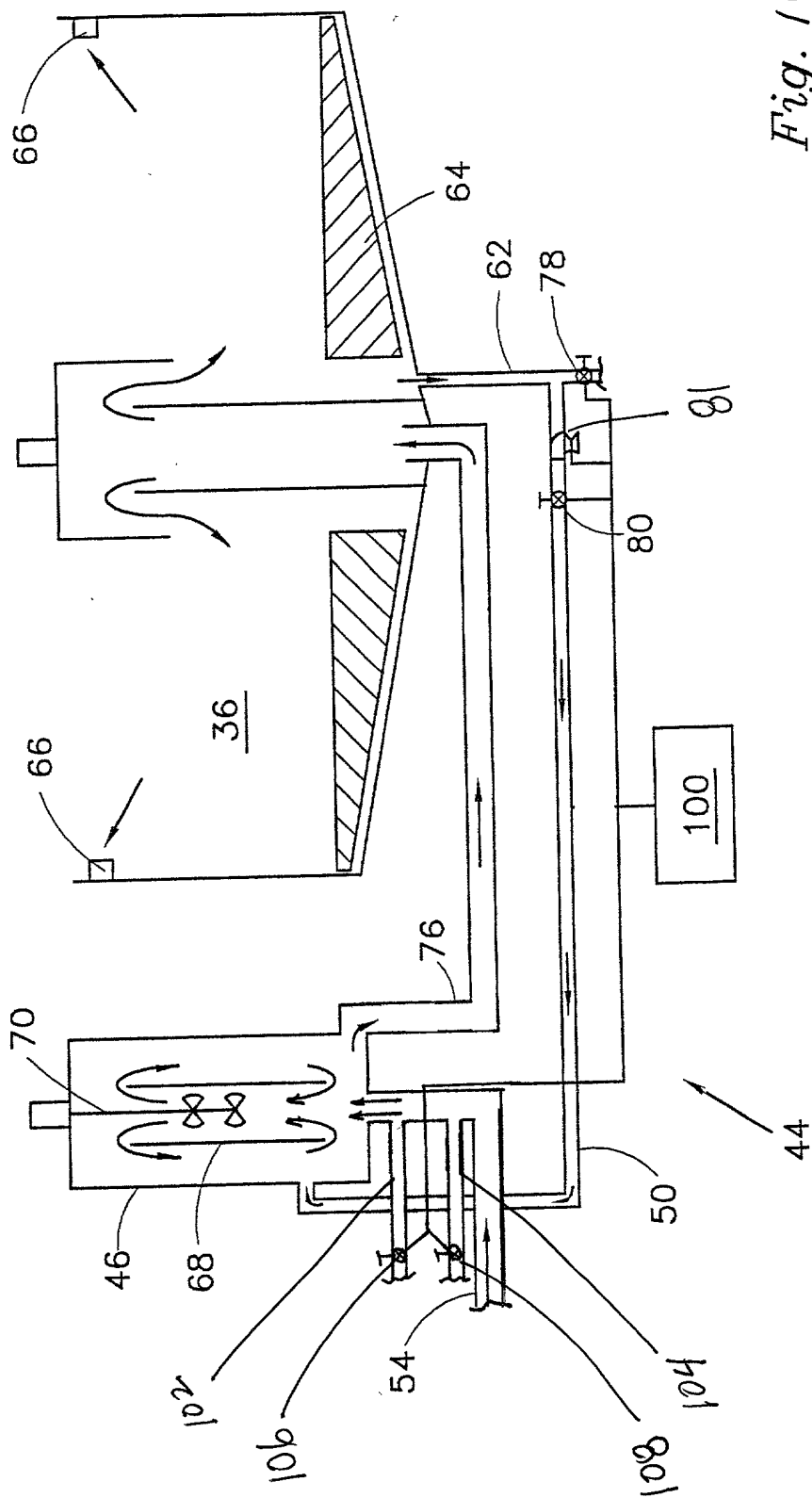


Fig. 10